

COVERAGE NAME: FEDPMA

COVERAGE AREA: Statewide

COVERAGE DESCRIPTION:

The FEDPMA layer is a statewide polygon coverage which represents the Federal EPA'S classification of geographic areas within California as to their status in attaining National Ambient Air Quality Standards for particulate matter (PM10). The coverage shows EPA-designated areas (comprised of counties, partial counties, air basins, hydrologic units and PLSS sections) and contains attribute information revealing the attainment designation, the severity of nonattainment and other information. Coding is derived from Federal regulation 40CFR81.305. The coverage was created for the California Air Resources Board by Teale Data Center's GIS Technology Lab.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1 st Std. Parallel:	34 00 00 (34.0 degrees N)
2 nd Std. Parallel:	40 30 00 (40.5 degrees N)
Longitude of Origin: -	-120 00 00 (120.0 degrees W)
Latitude of Origin:	00 00 00 (0.0 degrees)
False Easting (X shift)	0
False Northing (Y shift)	-4,000,000
Source:	Teale data layers (county, pls, and airbasins) DFG's huc2xc (hydrologic unit) coverage US Code of Federal Regulations Title 40 Part 81 Promulgated by the U.S. Environmental Protection Agency.
Source Media:	digital files
Source Projection:	Teale Statewide Albers projection (see above)
Source Units:	meters
Source Scale:	1: 100,000, mostly. HUC is from 1: 250,000
Capture Method:	component features taken from source data and assembled into coverages.
Conversion Software:	ARC/INFO rev. 6.1
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	1 meter
Number of Features:	26
Layer Size:	1.945 MB (compressed export file)
Data Updated:	October 1994; update of Mono Basin dates 11/1998; February 2000 edits and attributes updates.

DATA DICTIONARY:

DATAFILE NAME: FEDPMA.PAT
RECORD LENGTH: 107

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
1	AREA	8	18	F	5
9	PERIMETER	8	18	F	5
17	FEDPMA#	4	5	B	-
21	FEDPMA_ID	4	5	B	-
25	CLASS_TYPE	20	20	C	-
45	CLASS_DATE	10	10	C	-
55	SIG_TYPE	20	20	C	-
75	DESIG_DATE	10	10	C	-
85	NAME	22	22	C	-
107	PSYMBOL	1	1	I	-

AREA: The area of the polygon in square coverage units.

PERIMETER: The length of the polygon perimeter of the polygon in coverage units.

FEDPMA#: The software-assigned unique integer identification number.

FEDPMA-ID: A user – assigned identification number.

CLASS_TYPE: Federal area particulates classification descriptor.
(‘Unclassifiable’, ‘Moderate’, ‘Serious’)

CLASS_DATE: Effective date of 40 CFR Part 81 classification.

DESIG_TYPE: Federal area particulates attainment designation.
(‘Nonattainment’, ‘Unclassifiable’)

DESIG_DATE: Effective date of 40 CFR Part 81 regulations.

NAME: Federal area name (various)

PSYMBOL: Integer number used to shade polygons

1 = Unclassifiable
2 = Moderate
3. = Serious

DATA QUALITY ASSESSMENT:

The following are subjective comments regarding this data.

In some cases classification areas are based on Hydrologic Units whose boundaries conflict with county boundaries and air basin boundaries. Where there was conflict, the air basin boundary was taken as the 'correct' line. In other cases, a designation area overlaps another designation area. In the case of the overlap between the Mammoth Lakes PLSS section areas and the San Joaquin Valley Air Basin in Madera County, the PLSS sections were taken to be more specific, even though it has the effect of classifying a small portion of the San Joaquin Valley Air Basin as 'Moderate' instead of 'Serious'.

DATA CONTACT:

Contact Name: Steve Flatt – Teale GIS

Contact's Phone: 916 – 263 – 1499

DOCUMENTATION DATES: 10/28/1997, 11/2/1998, 3/1/2000